



Athens, TX (903) 677-0700 . Beeville, TX (361) 354-5200 . Midland, TX (432) 704-5351

**GAS ANALYSIS REPORT**

LAB REPORT NUMBER: WT-0039 - 02252021

PHYSICAL CONSTANTS PER GPA 2145-16

|                 |                       |                |                |
|-----------------|-----------------------|----------------|----------------|
| CUSTOMER:       | BTA OIL PRODUCERS LLC | DATE ANALYZED: | 3/1/2021       |
| STATION:        | 80939955              | DATE ON:       | 1/25/2021      |
| PRODUCER:       |                       | DATE OFF:      | 2/25/2021      |
| LEASE:          | MESA 40H CM           | SAMPLED BY     | Clint Hemphill |
| EFFECTIVE DATE: | 2/1/2021              |                |                |

| <u>COMPONENT:</u> | <u>MOLE %</u>  | <u>GPM</u>   | <u>WT. %</u>   |
|-------------------|----------------|--------------|----------------|
| H2S               | 0.000          |              | 0.000          |
| OXYGEN            | 0.071          |              | 0.092          |
| NITROGEN          | 1.651          |              | 1.865          |
| CARBON DIOXIDE    | 8.162          |              | 14.481         |
| METHANE           | 67.386         |              | 43.581         |
| ETHANE            | 11.132         | 2.974        | 13.494         |
| PROPANE           | 6.295          | 1.732        | 11.191         |
| I-BUTANE          | 0.830          | 0.271        | 1.945          |
| N-BUTANE          | 1.823          | 0.574        | 4.272          |
| I-PENTANE         | 0.513          | 0.187        | 1.492          |
| N-PENTANE         | 0.519          | 0.188        | 1.510          |
| HEXANE PLUS       | <u>1.618</u>   | <u>0.701</u> | <u>6.079</u>   |
| <b>TOTAL</b>      | <b>100.000</b> | <b>6.628</b> | <b>100.000</b> |

**(ALL VALUES CALCULATED @ 14.65 PSIA + 60 DEG. F)**

|              |        |               |         |
|--------------|--------|---------------|---------|
| REAL GRAVITY | 0.8600 | BTU WET BASIS | 1227.22 |
| MOL WT.      | 24.805 | BTU DRY BASIS | 1248.52 |
| H2S PPM:     | 0.000  | CO2 %:        |         |

|             |           |               |         |
|-------------|-----------|---------------|---------|
| SAMPLE TYPE | COMPOSITE | SAMPLE PRESS: | 188     |
| CYLINDER NO | WT-0039   | SAMPLE TEMP:  | 94      |
| NOTES       |           | COUNTY/STATE: | LEA, NM |

3/7/2021



Mesa 1-12 Battery Common Flare Meter

10/13/2021

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**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS

Action 57728

**QUESTIONS**

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>57728                                |
|                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

**QUESTIONS****Prerequisites**

Any messages presented in this section, will prevent submission of this application. Please resolve these issues before continuing with the rest of the questions.

|                   |                                     |
|-------------------|-------------------------------------|
| Incident Well     | [30-025-43724] MESA 8105 JV P #030H |
| Incident Facility | Not answered.                       |

**Determination of Reporting Requirements**

Answer all questions that apply. The Reason(s) statements are calculated based on your answers and may provide additional guidance.

|                                                                                                                                                                                                                                                                                              |                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Was or is this venting and/or flaring caused by an emergency or malfunction                                                                                                                                                                                                                  | No                                                |
| Did or will this venting and/or flaring last eight hours or more cumulatively within any 24-hour period from a single event                                                                                                                                                                  | Yes                                               |
| Is this considered a submission for a venting and/or flaring event                                                                                                                                                                                                                           | Yes, minor venting and/or flaring of natural gas. |
| An operator shall file a form C-141 instead of a form C-129 for a release that, includes liquid during venting and/or flaring that is or may be a major or minor release under 19.15.29.7 NMAC.                                                                                              |                                                   |
| Was there or will there be at least 50 MCF of natural gas vented and/or flared during this event                                                                                                                                                                                             | Yes                                               |
| Did this venting and/or flaring result in the release of ANY liquids (not fully and/or completely flared) that reached (or has a chance of reaching) the ground, a surface, a watercourse, or otherwise, with reasonable probability, endanger public health, the environment or fresh water | No                                                |
| Was the venting and/or flaring within an incorporated municipal boundary or withing 300 feet from an occupied permanent residence, school, hospital, institution or church in existence                                                                                                      | No                                                |

**Equipment Involved**

|                                                           |               |
|-----------------------------------------------------------|---------------|
| Primary Equipment Involved                                | Separator     |
| Additional details for Equipment Involved. Please specify | Not answered. |

**Representative Compositional Analysis of Vented or Flared Natural Gas**

Please provide the mole percent for the percentage questions in this group.

|                                                                                                                               |               |
|-------------------------------------------------------------------------------------------------------------------------------|---------------|
| Methane (CH4) percentage                                                                                                      | 67            |
| Nitrogen (N2) percentage, if greater than one percent                                                                         | 2             |
| Hydrogen Sulfide (H2S) PPM, rounded up                                                                                        | 0             |
| Carbon Dioxide (CO2) percentage, if greater than one percent                                                                  | 8             |
| Oxygen (O2) percentage, if greater than one percent                                                                           | 0             |
| If you are venting and/or flaring because of Pipeline Specification, please provide the required specifications for each gas. |               |
| Methane (CH4) percentage quality requirement                                                                                  | Not answered. |
| Nitrogen (N2) percentage quality requirement                                                                                  | Not answered. |
| Hydrogen Sulfide (H2S) PPM quality requirement                                                                                | Not answered. |
| Carbon Dioxide (CO2) percentage quality requirement                                                                           | Not answered. |
| Oxygen (O2) percentage quality requirement                                                                                    | Not answered. |

**Date(s) and Time(s)**

|                                                         |            |
|---------------------------------------------------------|------------|
| Date venting and/or flaring was discovered or commenced | 10/13/2021 |
| Time venting and/or flaring was discovered or commenced | 12:00 AM   |
| Time venting and/or flaring was terminated              | 11:59 PM   |
| Cumulative hours during this event                      | 24         |

**Measured or Estimated Volume of Vented or Flared Natural Gas**

|                                  |               |
|----------------------------------|---------------|
| Natural Gas Vented (Mcf) Details | Not answered. |
|----------------------------------|---------------|

|                                                                           |                                                                                                                   |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Natural Gas Flared (Mcf) Details                                          | Cause: High Line Pressure   Separator   Natural Gas Flared   Released: 132 Mcf   Recovered: 0 Mcf   Lost: 132 Mcf |
| Other Released Details                                                    | Not answered.                                                                                                     |
| Additional details for Measured or Estimated Volume(s). Please specify    | Not answered.                                                                                                     |
| Is this a gas only submission (i.e. only significant Mcf values reported) | Yes, according to supplied volumes this appears to be a "gas only" report.                                        |

**Venting or Flaring Resulting from Downstream Activity**

|                                                                            |               |
|----------------------------------------------------------------------------|---------------|
| Was or is this venting and/or flaring a result of downstream activity      | Not answered. |
| Was notification of downstream activity received by you or your operator   | Not answered. |
| Downstream OGRID that should have notified you or your operator            | Not answered. |
| Date notified of downstream activity requiring this venting and/or flaring | Not answered. |
| Time notified of downstream activity requiring this venting and/or flaring | Not answered. |

**Steps and Actions to Prevent Waste**

|                                                                                                                                |                              |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| For this event, the operator could not have reasonably anticipated the current event and it was beyond the operator's control. | True                         |
| Please explain reason for why this event was beyond your operator's control                                                    | Spontaneous Downstream Event |
| Steps taken to limit the duration and magnitude of venting and/or flaring                                                      | Battery Redesign             |
| Corrective actions taken to eliminate the cause and reoccurrence of venting and/or flaring                                     | Battery Redesign             |

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CONDITIONS  
  
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CONDITIONS

|                                                                         |                                                        |
|-------------------------------------------------------------------------|--------------------------------------------------------|
| Operator:<br>BTA OIL PRODUCERS, LLC<br>104 S Pecos<br>Midland, TX 79701 | OGRID:<br>260297                                       |
|                                                                         | Action Number:<br>57728                                |
|                                                                         | Action Type:<br>[C-129] Venting and/or Flaring (C-129) |

CONDITIONS

| Created By   | Condition                                                                                                                                                                          | Condition Date |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| vanessa king | If the information provided in this report requires an amendment, submit a [C-129] Amend Venting and/or Flaring Incident (C-129A), utilizing your incident number from this event. | 10/25/2021     |